

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		Application Number	
		Filing Date	Concurrently Herewith
		First Named Inventor	Toshikatsu KASHIWAYA
		Art Unit	2834
		Examiner Name	Mark Budd
		Confirmation No.	
Sheet	1	of	1
		Attorney Docket No.	791_160 DIV3

## U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
BT		6,278,225	08-21-2001	Nagaya et al.				
		6,492,763	12-10-2002	Kim et al.				
		6,495,947	12-17-2002	Kim et al.				
BT		6,104,128	08-15-2000	Fujii et al.				

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
BT		42-20029	10/6/1967	Japan			✓	
		50-3519	2/5/1975	Japan			✓	
		60102779 A	6/6/1985	Japan				✓
		07315926 A	12/5/1995	Japan				✓
		11029357 A	2/2/1999	Japan				✓
BT		2000-244031	9/8/2000	Japan			JPO Machine Translation	✓

OTHER DOCUMENTS  
(Including Author, Title, Date, Pertinent Pages etc.)

BT	Ouchi, Hiromu, et al. <i>Piezoelectric Properties of Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub> - PbTiO<sub>3</sub> - PbZrO<sub>3</sub> Ceramics Modified with Certain Additives</i> , JOURNAL OF THE AMERICAN CERAMIC SOCIETY, November 21, 1966, vol. 49, no. 11, 577-582		

Examiner:	BT, Talbot	Date Considered:	6/22/05
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<p>Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i></p> <p style="text-align: center;">O I P E U. S. PATENT AND TRADEMARK OFFICE SEP 24 2004</p>				<i>Complete if Known</i>				
				Application Number		10/666,879		
				Filing Date		September 19, 2003		
				First Named Inventor		Toshikatsu KASHIWAYA		
				Art Unit		2834		
				Examiner Name		Not Assigned		
				Confirmation No.		8895		
Sheet	1	of	1	Attorney Docket No.	791_160 DIV3			

#### U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date

#### U.S. RELATED CO-PENDING APPLICATIONS

Exam. Initial		Application/ Publication Number	Filing/ Publication Date	Inventor Name	Our Docket No.	Class	Sub Class

#### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
BT	AA	07-315926 A1	12-05-1995	JP			JPO Machine Translation	✓
	AB	2001-080070 A1	03-27-2001	JP			JPO Machine Translation	✓
	AC	44-17103 A2	07-28-1969	JP			Claim 1	
	AD	53-063597 A1	06-07-1978	JP				✓
BT	AE	3512379 B2	01-16-2004	JP			JPO Machine Translation	✓

#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)


Examiner:	R. Talbot	Date Considered:	6/22/05
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**O I P E**  
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PATENT AND TRADEMARK OFFICE  
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#### U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
<i>BT</i>	AF	5,275,988	01/04/1994	Mori et al.				

#### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
<i>BT</i>	AG	1 191 611 A2	03/27/2002	EP				
	AH	0 615 294 A1	09/14/1994	EP				
	AI	60102779	06/06/1985	JP				✓
	AJ	01/93345 A1	12/06/2001	WO				
	AK	0 954 038 A1	11/03/1999	EP				
<i>BT</i>	AL	0 344 978	12/06/1989	EP				

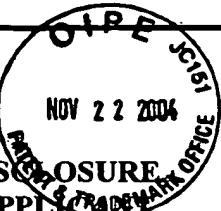
#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

<i>BT</i>	AM	Gui Zhilun, Li Longtu, Lin Hongqing and Zhang Xiaowen, "LOW TEMPERATURE SINTERING OF LEAD MAGNESIUM NICKEL NIOBATE ZIRCONATE TITANATE (PMN-PNN-PZT) PIEZOELECTRIC CERAMIC, WITH HIGH PERFORMANCES," <i>Department of Chemical Engineering, Tsinghua University, Beijing, People's Republic of China, Ferroelectrics, 1990, Vol. 101, pp. 93-99</i>

Examiner:	<i>B. Talbot</i>	Date Considered:	<i>6/22/05</i>
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#### U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
(BT)	AN	3,775,531	11/27/1973	Smith				

#### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation	Abstract
(BT)	AO	09-157018	06/17/1997	JP				
(BT)	AP	11-029357	02/02/1999	JP				
(BT)	AQ	50-003519	02/05/1975	JP				

#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc.)

(BT)	AR	Ouchi et al., "PIEZOELECTRIC PROPERTIES OF Pb (Mg1/3Nb2/3) 03-PbTi03-PbZr03 CERAMICS MODIFIED WITH CERTAIN ADDITIVES," <i>Journal of the American Ceramic Society, American Ceramic Society, Columbus, United States, vol. 49, no. 11, 1966, pages 577-582.</i>
(BT)	AS	Ouchi et al., "PIEZOELECTRIC PROPERTIES OF Pb (Mg1/3Nb2/3) 03-PbTi03-PbZr03 SOLID SOLUTION CERAMICS," <i>Journal of the American Ceramic Society, American Ceramic Society, Columbus, United States, vol. 48, no. 12, 1965, pages 630-635.</i>

Examiner:	B. Talbot	Date Considered:	6/22/05
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